STATUS OF THE CLAIMS

1.   (currently amended)   A system comprising: i) an implantable temperature device, ii) a signal receiver, iii) a processor, and iv) an animal identification device <u>attachable to the animal, wherein said animal identification device receives messages from said processor and</u> ~~configured to~~ present<u>s a detectable signal to facilitate animal detection within a herd</u>, wherein said detectable signal is selected from the group consisting of an auditory signal, a visual signal, and an auditory-visual signal.

2.   (previously presented)   The system of Claim 1, wherein said implantable temperature device is implantable into said animal.

3.   (original)   The system of Claim 1, wherein said implantable temperature device is implanted into an area of the animal selected from the group consisting of the vulva, eyelid, and ear of said animal.

4.   (original)   The system of Claim 3, wherein said animal is a cow.

5.   (original)   The system of Claim 1, wherein said implantable temperature device, said signal receiver, said processor transmit information through RFID technology.

6.   (previously presented)   The system of Claim 1, wherein said processor, and said animal identification device communicate with a wireless protocol.

7.   (original)   The system of Claim 6, wherein said wireless protocol is Bluetooth.

8.   (original)   The system of Claim 1, wherein said implantable temperature device contains a microchip comprising a unique identification number.

9.   (original)   The system of Claim 1, wherein said animal identification device contains a signal device.

10.   (original)   The system of Claim 1, wherein said signal receiver is positioned in a milking parlor.

11.   (original)   The system of Claim 1, wherein said system is used to monitor the body core temperature of a dairy cow.

12.   (currently amended)   A method of detecting estrus in an animal comprising the steps of:

a)   providing a temperature recording system comprising:

    i)   at least one animal containing an implantable temperature device comprising a unique identification number; said at least one animal having an animal identification device <u>attached to said animal</u>, wherein said animal identification device <u>is</u> configured to <u>receive messages from a processor and</u> present a detectable signal, wherein said detectable signal is selected from the group consisting of an auditory signal, a visual signal, and an auditory-visual signal,

    ii)   a signal receiver,

    iii) a processor, and

b)   detecting body core temperature of said at least one animal with said implantable temperature device over an extended period of time;

c)   comparing said animal's body core temperature fluctuation over said extended period of time; and

d)   identifying a particular animal entering estrus through transmittal of an estrus message from said processor to said animal identification device

<u>thereby causing said animal identification device to display a signal to</u> <u>facilitate identification of the animal in a herd</u>.

13. (previously amended) The method of Claim 12, wherein said at least one animal is at least one cow.

14. (original)   The method of Claim 12, wherein said transmittal of an estrus message is facilitated by a digital access device.

15. (original)   The method of Claim 14, wherein said digital access device is a PDA.

16. (original)   The method of Claim 14, wherein said digital access device utilizes wireless technology.

17. (original)   The method of Claim 16, wherein said wireless technology is Bluetooth.

18 (original)   The method of Claim 12, further comprising the step of encoding said processor with said unique identification number for each animal within said at least one animal.

19. (original)   The method of Claim 12, further comprising the step of encoding said processor with standardized animal temperature fluctuation data upon entry into estrus.

20. (currently amended)   A system comprising: i) an implantable temperature device, ii) a signal receiver, iii) a processor, iv) an animal identification device, wherein said animal identification device is an identification tag or identification collar <u>attachable to the animal</u>, wherein said animal identification device is

configured to <u>receive messages from said processor and</u> present a detectable signal <u>to facilitate identification of the animal with a herd</u>, wherein said detectable signal is selected from the group consisting of an auditory signal, a visual signal, and an auditory-visual signal.